



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: X. Zhang  
Serial No: 09/992,551  
Filed: November 6, 2001  
Title: Asymmetric Catalysis Based on Chiral Phospholanes and Hydroxyl Phospholanes  
  
Docket No.: 823.0090USQ  
Examiner: Taofiq A. Solola  
Art Unit: 1626  
Confirmation No.: 1453  
Customer No.: 27623

**Mail Stop: AF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT AFTER FINAL**

In response to the Office Action mailed on July 2, 2003, please amend this application as follows:

**IN THE CLAIMS:**

Please cancel claims 31-34.

Please add the newly presented claims 43-46.

Please amend the claims as follows: